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Smart A/C application

Air Conditioner
user manual

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imagine the possibilities

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SAMSUNG

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Features of SMART Air conditioner Network

Convenient control with Smart A/C application of a smart phone!

You can conveniently control your air conditioner anywhere with Smart A/C application.

Contents

Installing network **3**
Checking before using a wireless router **3**
Connecting network **3**
Connecting the wireless IP router with an air conditioner 3
Checking Wi-Fi module installation 4
Disassembling the Wi-Fi module 4
Assembling the Wi-Fi module 5
Checking the connection status on the Wi-Fi module 5
Checking the connection status on the panel-display 5
Checking network 6
Connecting the wireless router with an air conditioner by the network (Select one of the 2 methods) 7
Registering service **10**
Registering an air conditioner 10
Operating Smart A/C application **12**
Home screen 12
Accessing In-home 12
Controlling an air conditioner 13
Setting additional functions of the air conditioner 14
Setting timer function 14
Setting air conditioner information 15
Accessing Out-of-home 16
Trouble shooting **17**

융프라우 수출향 RAC APP_IB_E_34261A(2).indd 2 2012-02-17 오후 2:10:14

Installing network

[Connecting Network]
Connect the wireless IP router to an air conditioner.

[Registering service]
Access the http://eu.samsungsmartappliance.com and register the service.

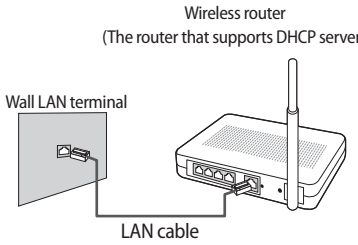
Checking before using a wireless router

- This product supports only DHCP(Dynamic Host Configuration Protocol). If users use an existing wireless router, the DHCP server option function should be activated.
- Select a channel for the wireless router that is not currently being used.
- Your wireless router supports the encryption type of WEP, TKIP or TKIP AES and will not support a connection in compliance with new Wi-Fi certification specifications.
- The quality of wireless network connection can be affected by the surrounding wireless environment.
- If an internet service provider has permanently registered the users PC or MAC address (a unique identifying number), the air conditioner might not be connected to internet. When appliances other than a PC are to be connected to Internet, ask your ISP (Internet service provider) about the procedures required to connect to the internet.
- If your internet service provider requires an ID or a password to connect to the internet, your air conditioner may not be able to connect to the internet. If this is the case, you must enter your ID or password when connecting to the internet.
- The internet connection may fail because of a firewall problem. If this is the case, contact your internet service provider.
- If you cannot connect to the internet even after you have followed the procedures of your internet service provider, please contact a samsung service center.

Connecting network

Connecting the wireless IP router with an air conditioner

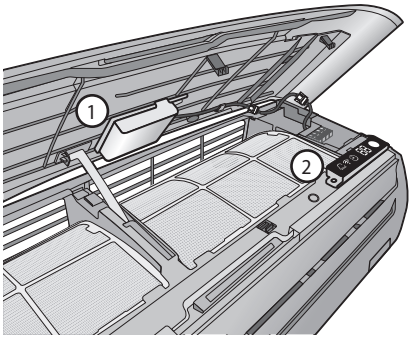
- For wireless router installation, refer to the user manual of the corresponding router.
- Samsung smart air conditioner supports the communications protocol of IEEE802.11 b/g/n, AP(Access Point).
- For wireless router installation, refer to the user manual of each manufacturing company.
  Samsung does not provide customers with the wireless router manual.
- Wi-Fi unauthenticated wireless router cannot be connected with an air conditioner.



융프라우 수출향 RAC APP_IB_E_34261A(2).indd 3 2012-02-17 오후 2:10:14

Connecting network

Checking Wi-Fi module installation

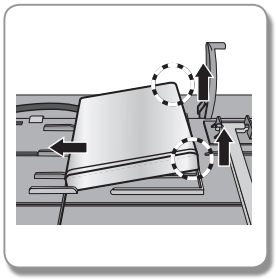


- Open the front cover and check the Wi-Fi Module(①) attached on the front cover.
- The connection status between the Wi-Fi module and the wireless router can be checked by the Wi-Fi module and the panel-display(②).
- To replace the Wi-Fi module(Assembling or disassembling), follow the procedure below.

NOTE

- When changing the Wi-Fi module, you should check the MAC attached on the module or bottom part of the indoor unit and modify the device information at 'Registering service'.

Disassembling the Wi-Fi module



- Lift up the right end side of the module and push it to the left.

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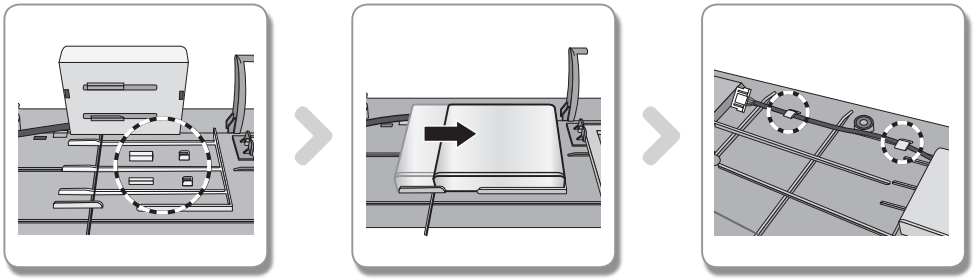
Assembling the Wi-Fi module



1) There are sliding hook, support rib and guide rib on the front cover.
2) Assemble the Wi-Fi module by pushing it in the arrow direction. The guide rib will prevent the module from moving.
3) Connect the wire using the hook.

Checking the connection status on the Wi-Fi module

<Front view> <Bottom view>

- ▶ LED ON : Connected with AP & INTERNET
- ▶ LED Blinking (Interval of 0.5s) : Connected with AP but not connected with INTERNET
- ▶ LED Blinking (Interval of 3s) : Not connected with AP
- ▶ LED OFF : Not connected with Air Conditioner
- ▶ For Wi-Fi connection, use the WPS button on the wireless router. (Refer to 'Connecting network with WPS setting' on page9.)

Checking the connection status on the panel-display

- ▶ Wi-Fi display description

1) WiFi Indicator LED OFF :
   Not connected with Air Conditioner
   Not connected with AP
   Connected with AP but not connected with INTERNET
2) WiFi Indicator LED ON :
   Connected with AP & INTERNET

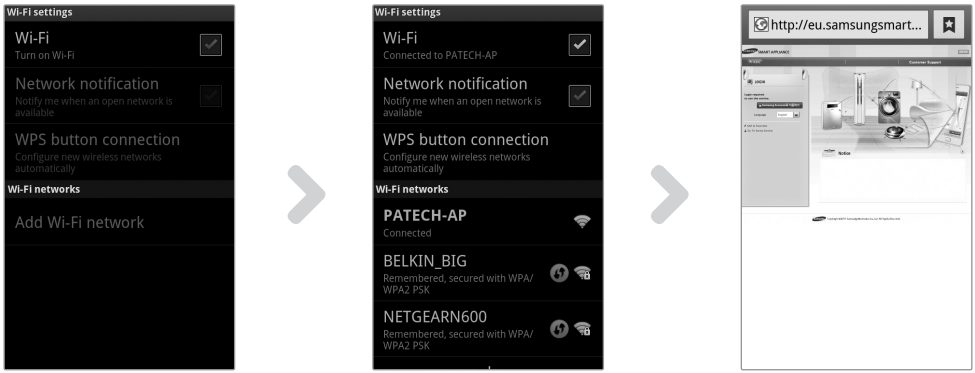
융프라우 수출향 RAC APP_IB_E_34261A(2).indd 5 2012-02-17 오후 2:10:15

Connecting network

Checking network

Check whether the wireless router connects with a smart phone.

When the internet is not connected with a smart phone, the network function of the air conditioner cannot be used.



1) Search for the wireless router on the smart phone.
2) Select the wireless router you are using now on the searched wireless router list.
3) Check whether the smart phone can access the website http://eu.samsungsmartappliance.com by the internet.

NOTE
- If you need ID and Password to use the internet at commercial building, inform the network administrator of MAC address of your air conditioner and get the approval of internet use for the air conditioner.

CAUTION
- If private program installation of ISP is needed for internet use, the air conditioner cannot be connected with the internet.

융프라우 수출향 RAC APP_IB_E_34261A(2).indd 6 2012-02-17 오후 2:10:15

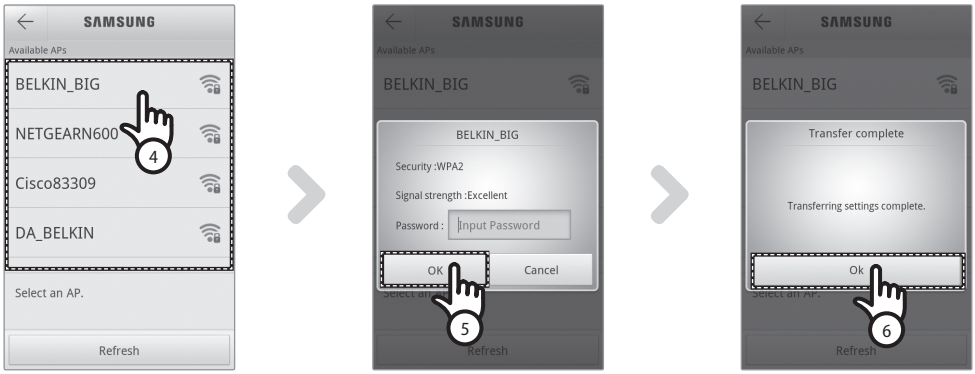
Connecting the wireless router with an air conditioner by the network (Select one of the 2 methods)

1) Connecting network with a Smart phone APP
   - Setting procedure shown below is based on Samsung smart phone App users. Please refer to the manual screen supported with iPhone App for iPhone users.

(1) After pressing the [2nd F] button on the remote controller, press the [Wi-Fi] button.
   - AP message will be displayed on the front display panel of the air conditioner.
(2) After operating Smart A/C application, press the [Setting] tab.
(3) Press the [Setting Start] tab.

융프라우 수출향 RAC APP_IB_E_34261A(2).indd 7 2012-02-17 오후 2:10:16

Connecting network



(4) Select the wireless router that you are using now.
- The initial SSID of provided wireless router is 'SAMSUNGSMART'.
- When using free wireless router, refer to the corresponding user manual for password.

(5) After entering the password of selected wireless router, press the [OK] tab.
- When the password has not been set, press the [OK] tab without entering the password.

(6) When 'Transfer complete' pop up comes on, press the [OK] tab.
- When the air conditioner is connected with wireless router correctly, the Wi-Fi ( ) light on the Wi-Fi module will be on.
- After connecting the wireless router with the air conditioner and the Wi-Fi ( ) light blinks, check the internet connection status.

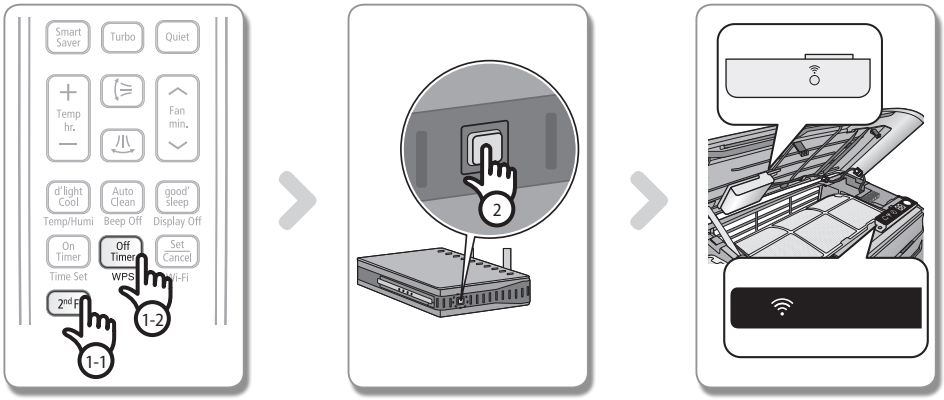
(7) After 2minutes, if the Wi-Fi LED of the air conditioner is still on, it means the configuration has succeeded. At this point, you can use smart phone to control the system.

NOTE
- When searching a network by pressing the [Wi-Fi] button, AP message will be displayed on the front display a maximum of 5 minute.
- To download the Smart A/C application, search and download 'Samsung, Smart, A/C, AC, Air, Conditioner' at android market or Samsung Apps.
- For iPhone users, the Smart A/C application can be downloaded at iPhone App store by searching 'Samsung, Smart, A/C, AC, Air, Conditioner'.

CAUTION
- Smart A/C application is optimized with Samsung smart phones (GalaxyS, GalaxyS2). When the Smart A/C application is used with other smart phones, some functions may not work.

융프라우 수출향 RAC APP_IB_E_34261A(2).indd 8 2012-02-17 오후 2:10:16

2) Connecting network with WPS setting



(1) After pressing the [2ndF] button on the remote controller, press the [WPS] button.
wJ ↔ PS message will be displayed on the front display panel of the air conditioner.

(2) Press [WPS] button on the wireless router that will be connected to an air conditioner and operate the WPS function of the wireless router. (The location of WPS button may be different depending on the wireless manufacturing company.)

(3) After connecting the air conditioner with the wireless router correctly, the Wi-Fi ( ) light on the Wi-Fi module will be on.

NOTE

- Check whether the wireless router supports Wi-Fi Protected Setup™(WPS).
- Check whether the wireless router has WPS button.
- Samsung smart air conditioner uses PBC method of WPS.
- When searching a network by pressing [WPS] button, the remote controller will not work for a maximum of 2 minutes.
- Be careful when pressing the WPS button because if you hold the WPS button for a long time, the set value of the wireless router will be initialized with some types of wireless router.
- Operating wireless router through WPS mode might be different depending on the manufacturing company. Therefore, please refer to the user manual of your wireless router.

CAUTION

- If the wireless router(AP) is not authenticated with WPS, connection failure might occur.
- If the wireless router that is not authenticated with WPS is connected to an air conditioner, the previously connected Wi-Fi of other units might be disconnected.

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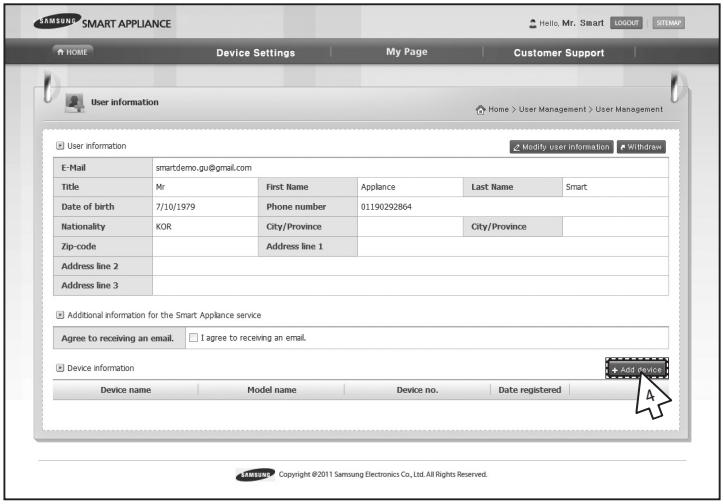
융프라우 수출향 RAC APP_IB_E_34261A(2).indd 9 2012-02-17 오후 2:10:16

Registering service

Registering an air conditioner

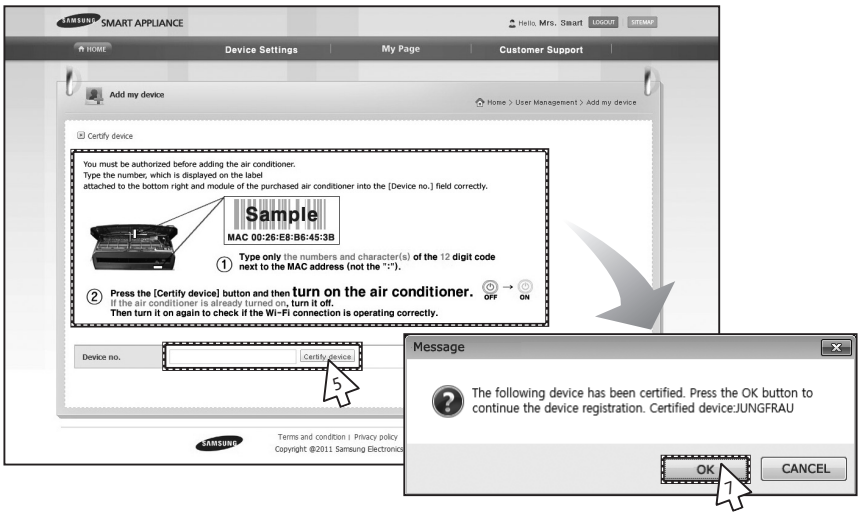
1) Access Samsung Smart appliance website (http://eu.samsungsmartappliance.com).
2) Enter the User ID and Password to log in.
   - If you don't have an account, press [Create a Samsung account] and fill in the form to become a member .

3) Select [My page]→[My page].

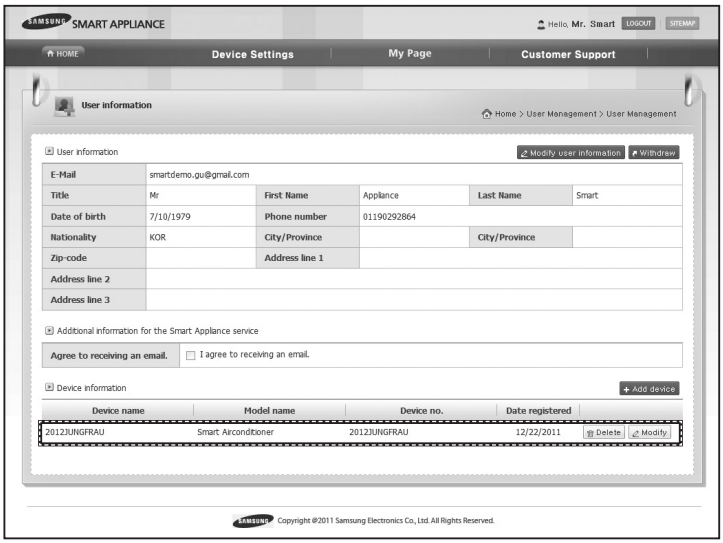


4) Select [Add device] .

융프라우 수출향 RAC APP_IB_E_34261A(2).indd 10 2012-02-17 오후 2:10:17


SMART APPLIANCE
Hello, Mrs. Smart
LOGOUT
SITEMAP
HOME
Device Settings
My Page
Customer Support
Add my device
Home > User Management > Add my device
Certify device
You must be authorized before adding the air conditioner.
Type the number, which is displayed on the label
attached to the bottom right and module of the purchased air conditioner into the [Device no.] field correctly.
Sample
MAC 00:26:E8:B6:45:3B
① Type only the numbers and character(s) of the 12 digit code next to the MAC address (not the ":").
② Press the [Certify device] button and then turn on the air conditioner.
If the air conditioner is already turned on, turn it off.
Then turn it on again to check if the Wi-Fi connection is operating correctly.
OFF
ON
Device no.
Certify device
5
Terms and condition | Privacy policy
Copyright ©2011 Samsung Electronics
Message
The following device has been certified. Press the OK button to continue the device registration. Certified device:JUNGFRAU
OK
CANCEL
7

5) After entering the MAC written on the label sticker attached on the bottom part of the air conditioner, click the [Certify device].
6) Restart the air conditioner you are using now.
7) When the device certification message appears, click [OK].
   - If the air conditioner you are registering is already registered by other users, a window will come on asking whether you want to delete the usage authority of the existing users, or not.



8) After the registration of the air conditioner is completed, you can check the registered air conditioner on the device information list.

NOTE

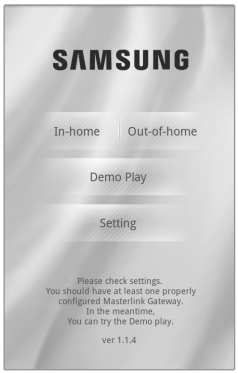
• When changing a Wi-Fi module, perform the procedure above in order from No.1.

융프라우 수출향 RAC APP_IB_E_34261A(2).indd 11 2012-02-17 오후 2:10:17

Operating Smart A/C application

- Android based smart phone users can download the Smart A/C application by searching 'Samsung, Smart, A/C, AC, Air, Conditioner' at android market or Samsung Apps.
- iPhone users can download the Smart A/C application at iPhone App store by searching 'Samsung, Smart, A/C, AC, Air, Conditioner'.
- Smart A/C application is optimized with android based mobile phones.
  (The APP is optimized with mobile phones that support HDPI 480x800, MDPI 320x400, LDPI 240x320 resolution output.)

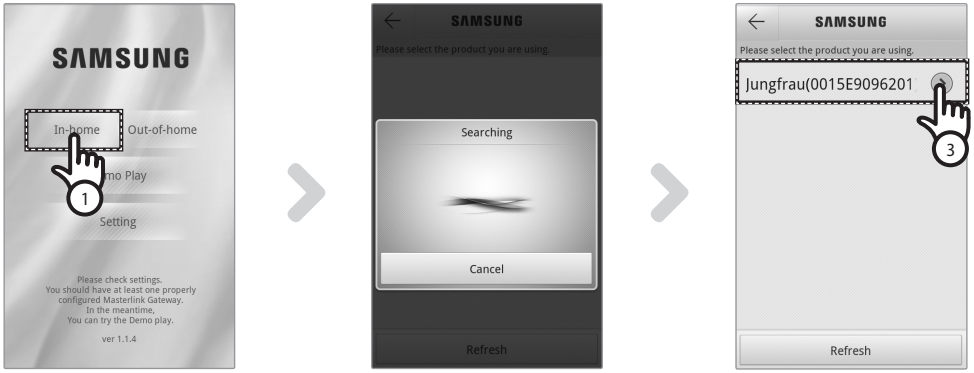
Home screen



In-home	You can control your air conditioner at home.
Out-of-home	You can control your air conditioner outside your home.
Demo Play	You can test the functions of Smart A/C application.
Setting	Set the air conditioner network.

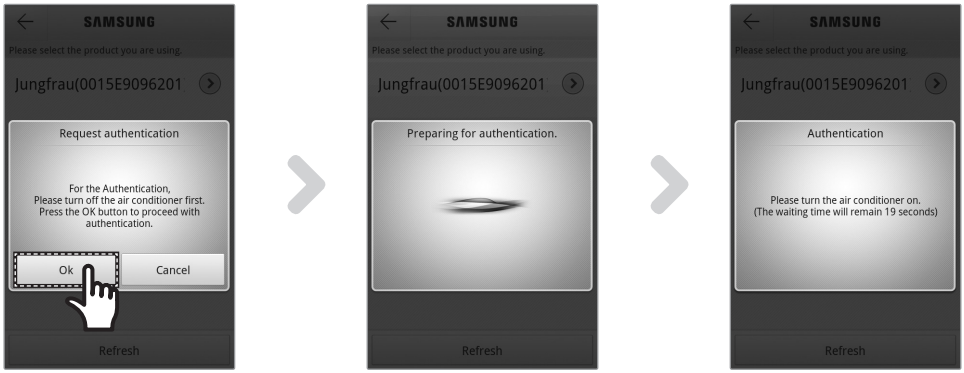
Accessing In-home

- Use Smart A/C application for the replacement of a remote controller at home.



1) Press the [In-home] tab on home screen.
2) Search for the air conditioner.
   - When you cannot find the air conditioner you want to select, press the [Refresh] to search it again.
3) Select the air conditioner you want to access.

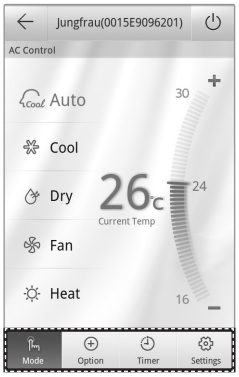
융프라우 수출향 RAC APP_IB_E_34261A(2).indd 12 2012-02-17 오후 2:10:17



4) Before you first access your air conditioner, you should get authentication.
When authentication pop-up comes on, turn on the air conditioner within 20seconds.
After getting the authentication successfully, you can log on to the air conditioner.

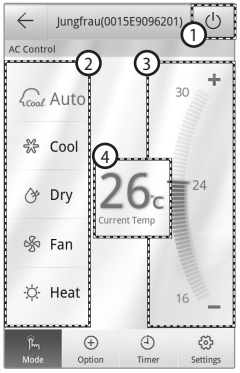
Controlling an air conditioner

▶ Check the control function of the air conditioner at AC control screen.



Mode	Set the basic operation of the air conditioner.
Option	Set the additional function of the air conditioner.
Timer	Set the On or Off timer function of the air conditioner.
Settings	Set the name of network or air conditioner.

▶ Set the operation mode of the air conditioner by pressing the [Mode] tab.



①	**Power ON/OFF**	Turn the air conditioner on or off.
②	**Mode**	Select Auto, Cool, Dry, Fan, or Heat.
③	**Desired temperature**	Select the desired temperature of the air conditioner.
④	**Current temperature**	Display current temperature of indoor room.

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융프라우 수출향 RAC APP_IB_E_34261A(2).indd 13 2012-02-17 오후 2:10:17

Operating Smart A/C application

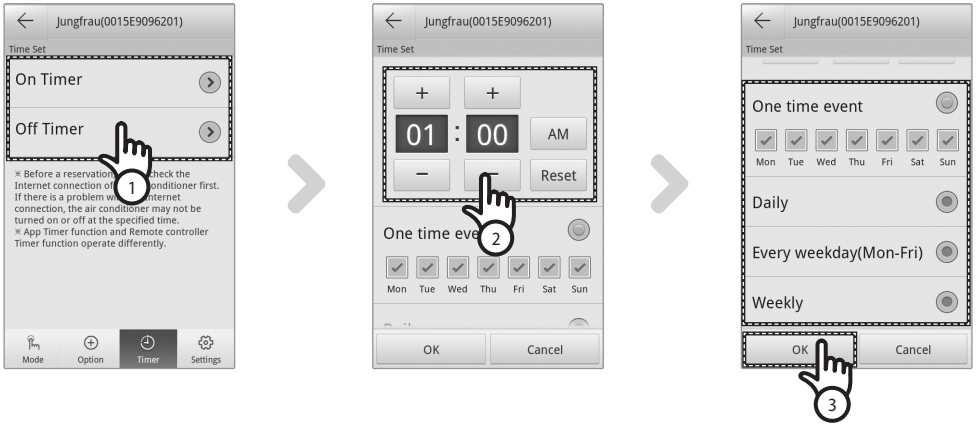
Setting additional functions of the air conditioner

- ▶ You can control the additional functions the air conditioner supports.
- ▶ The additional functions will be activated depending on the air conditioner functions.

1. Press the [Option] tab at the bottom of the screen.
2. Select the operation mode or additional functions you want.

NOTE
- For the details of each additional function, refer to the user manual of each air conditioner.

Setting timer function



1) After pressing the[Timer] tab at the bottom of the screen, press the [On Timer] or [Off Timer] tab.
   - When you want to set on time, press the [On Timer] tab or [Off Timer] tab for off time.
2) Press the [+], [-] or [AM], [PM] tab to set the on time or off time.
3) After setting repetition cycle, press the [OK] tab.

NOTE
- On time and off time cannot be set at the same time.

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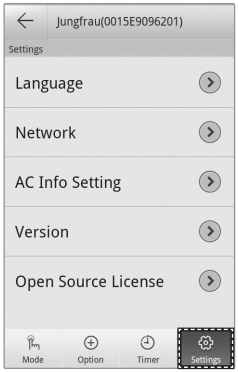
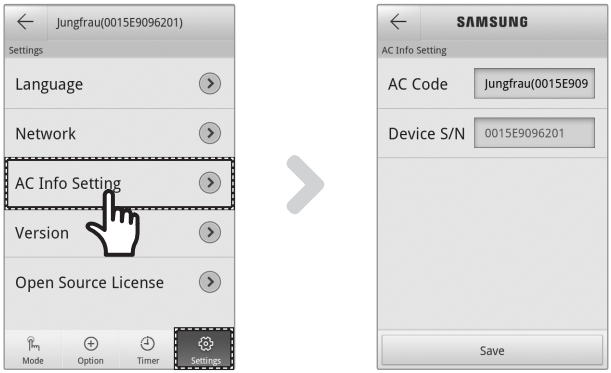
Setting air conditioner information

▶ Change the APP version information, network setting, and air conditioner information by pressing the [Settings] tab.



▶ Set the language of APP by pressing the [Language] tab.

▶ Set the name of the air conditioner by pressing the [AC Info Setting] tab.



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Operating Smart A/C application

▶ Check the APP version by pressing the [Version] tab.

Accessing Out-of-home

1) Press the [Out-of-home] tab.
2) After entering the ID and Password of Samsung Smart appliance website, press the [OK] tab.
3) Control your air conditioner outside home.
   - Operating the Out-of-home is the same as 'Accessing In-home'(refer to p12)

NOTE

- You need to log in to operate Out-of-home.
  Enter the the ID and Password that you used to register the network service. If you haven't joined the membership, join the membership and register your air conditioner at http://eu.samsungsmartappliance.com.
- When accessing the air conditioner with Out-of-home, you cannot use additional functions of the air conditioner.

융프라우 수출향 RAC APP_IB_E_34261A(2).indd 16 2012-02-17 오후 2:10:18

Trouble shooting

Before you make a call to a service center, please check the items in the table below.

Check point		Solution
Air conditioner cannot be found at Smart A/C application.	Check whether the Wi-Fi of the Smart phone is activated.	Activate the Wi-Fi connection of the Smart phone.
	Check whether the Smart phone and the air conditioner are connected to different wireless routers	The Smart phone and the air conditioner should be connected to the same wireless router.
	Check whether the Wi-Fi( ) light on the Wi-Fi module is on.	Check whether the air conditioner is correctly connected to a wireless router.
The Smart phone is connected to the air conditioner correctly but it does not work.		Restart the Smart A/C application or reconnect the Smart phone with the wireless router.
When selecting In-home function of the Smart A/C application, multiple appliances are searched.		Select the air conditioner whose device number is the same as your air conditioner on the list.
I don't have ID and Password to log in to Out-of-home of Smart A/C application.		Join the membership at Samsung Smart appliance website (http://eu.samsungsmartappliance.com) and register your air conditioner.
Out-of-home function of Smart A/C application does not work.	Check whether the Wi-Fi( ) light on the Wi-Fi module is on.	Check whether the air conditioner is connected to the wireless router correctly.
	Check whether the Wi-Fi( ) light on the Wi-Fi module blinks at an interval of 3 sec.	Check whether the wireless router is connected to internet correctly.

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